

## MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

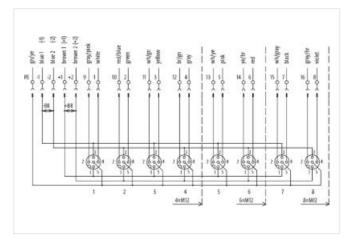
15.0m PUR/PVC 16x0,34+5x0,75, w/o LEDs

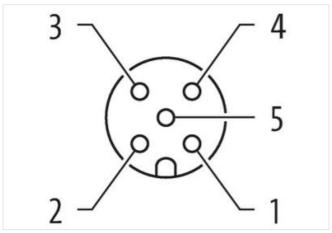
8-way, 5-pole PUR/PVC 15.0 m Potential separation as option Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## **Link to Product**

## Illustration







Product may differ from Image



| Commercial data |          |
|-----------------|----------|
| ECLASS-6.0      | 27279219 |
| ECLASS-6.1      | 27279219 |
| ECLASS-7.0      | 27279219 |

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| ECLASS-8.0                                    | 27279219  |
|---|---|
| ECLASS-9.0                                    | 27440108  |
| ECLASS-10.1                                   | 27440108  |
| ECLASS-11.1                                   | 27440108  |
| ECLASS-12.0                                   | 27440108  |
| ETIM-5.0                                      | EC002585  |
| customs tariff number                         | 85444290  |
| GTIN  | 4048879061582   |
| Packaging unit                                | 1   |
| Electrical data   Supply                      |   |
| Operating voltage DC                          | 24 V  |
| Current operating per contact max.            | 4 A   |
| Total current at 1 time current feed-in max.  | 8 A   |
| Total current at 2 times current feed-in max. | 16 A  |
| Industrial communication                      |   |
| Number of signals per port                    | 2   |
| Installation   Connection                     |   |
|   | M10 v. 1  |
| Mounting set                                  | M12 x 1   |
| Device protection   Electrical                |   |
| Degree of protection (EN IEC 60529)           | IP67  |
| Additional condition protection degree        | screwed, mounted  |
| Device protection   Media                     |   |
| Flame resistance                              | flame retardant   |
| Mechanical data   Material data               |   |
| Material housing                              | Plastic   |
| Mechanical data   Mounting data               | T Idolio  |
|   | Orbert bereitste  |
| Mounting method                               | Schraubgewinde  |
| Height Width                                  | 149,2 mm<br>50.2 mm   |
|   | 17,2 mm   |
| Depth   | 17,2  |
| Environmental characteristics   Climatic      |   |
| Operating temperature min.                    | -20 °C  |
| Operating temperature max.                    | 80 °C   |
| Installation   Cable                          |   |
| STOOW style jacket                            | Hybrid, Signal, Power   |
| Cable identification                          | 374   |
| Cable Type                                    | 2   |
| Jacket Color                                  | gray  |
| Type of Certificate                           | cURus   |
| Amount stranding                              | 1   |
| Stranding                                     | 4 wires twisted   |
| Amount stranding (type 2)                     | 1   |
| Stranding (type 2)                            | 9 wires around Stranding combination twisted  |
| wire arrangement                              | gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray) |
| Cable weigth                                  | 140,94 g/m  |
| Material jacket                               | PUR   |
| Shore hardness jacket                         | 87 ± 5 Shore A  |
| Freedom from ingredients (jacket)             | lead-free, cadmium-free, CFC-free, silicone-free  |
| Outer-diameter (jacket)                       | 9,2 mm  |
| Tolerance outer diameter (sheath)             | ± 5 %   |

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| Material inner jacket                            | PVC  |
|--|--|
| Color (inner jacket)                             | gray   |
| Material wire insulation                         | PVC  |
| Amount wires                                     | 8  |
| Outer diameter insulation                        | 1,3 mm   |
| Outer diameter tolerance core insulation         | ±5%  |
| Shore hardness wire insulation                   | 43 ± 5 Shore D                                       |
| Material properties wire insulation              | good machinability                                   |
| Ingredient freeness wire insulation              | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                            | 19   |
| Diameter of single wires                         | 0,15 mm  |
| Conductor crosssection (wire)                    | 0,34 mm²   |
| Material conductor wire                          | Stranded copper wire, bare                           |
| Conductor type (wire)                            | Strand class 5                                       |
| Traversing distance (C-track)                    | 5 m @ 25 °C   horizontal                             |
| Travel speed (C-track)                           | 5  |
| Material wire insulation (Power)                 | PVC  |
| Outer diameter wire insulation (Power)           | 1,8 mm   |
| Tolerance outer diameter wire insulation (Power) | ±5 %   |
| Shore hardness wire insulation (Power)           | 43±5 Shore D   |
| Material properties wire insulation (Power)      | good machinability                                   |
| Ingredient freeness wire insulation (Power)      | lead-free, cadmium-free, CFC-free, silicone-free     |
| Printing colour wire insulation (Power)          | white (isolation blue), white (isolation brown)      |
| Amount strands wire (Power)                      | 42   |
| Diameter of single wires (Power)                 | 0,15 mm  |
| Wire conductor cross section (Power)             | 0,75 mm <sup>2</sup>                                 |
| Material conductor wire (Power)                  | Stranded copper wire, bare                           |
| Conductor type wire (Power)                      | strand class 6                                       |
| Max. rated voltage (conductor - conductor)       | 300 V  |
| Max. rated voltage (conductor - ground)          | 300 V  |
| Current load capacity (standard)                 | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                  | 4 A  |
| Loop resistance                                  | 7,8 A  |
| Electrical resistance line constant wire         | 57 Ω/km @ 20 °C                                      |
| Electrical resistance coating wire (Power)       | 26 Ω/km @20 °C                                       |
| AC withstand voltage (wire - wire)               | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire -        | 2 kV @ 60 s  |
| jacket)  |  |
| Min. operating temperature (static)              | -30 °C   |
| Max. operating temperature (fixed)               | 80 °C  |
| Operating temperature min. (dynamic)             | -5 ℃   |
| Operating temperature max. (dynamic)             | 70 °C  |
| Flame resistance                                 | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| chemical resistance                              | Good, application-related testing                    |
| Gasoline resistance                              | Good, application-related testing                    |
| Oil resistance                                   | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                           | 5 x Outer diameter                                   |
| Bending radius (dynamic)                         | 10 x Outer diameter                                  |
| Travel speed (C-track)                           | 2 Mio. @ 25 °C                                       |
| Connection type 2                                |  |
| Family construction form                         | free cable end                                       |
| No. of poles                                     | 21   |
| Family construction form                         | M12  |

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| Gender                | female |
|-----------------------|--------|
| Color contact carrier | black  |
| Coding                | A      |
| No. of poles          | 5      |
| PIN 1                 | +      |
| PIN 2                 | NC S 2 |
| PIN 3                 | -      |
| PIN 4                 | NO S 1 |
| PIN 5                 | PE     |